Imaging Physics Training Fellowship on In Silico Methods for Virtual Imaging Clinical Trials

Division of Imaging, Diagnostics, and Software Reliability

Office of Science and Engineering Laboratories, Center for Devices and Radiological Health, Food & Drug Administration

A training fellowship position is available in DIDSR for an engineer or physicist to develop and improve methodologies for in silico imaging with the goal of modeling all components of the imaging chain in the computer. The ideal candidate will be highly conversant in scientific programming including python, C/C++, and familiar with imaging including image acquisition, image reconstruction, and image reader models. Candidates should have a proven record of accomplishments as evidenced by significant roles in peer-reviewed publications. The desired candidate will have an advanced degree in math, engineering, computer science, or physics, with expertise in computational modeling particularly in, but not limited to, x-ray imaging. Familiarity with image analysis and image processing, image quality assessment, and statistical analysis of clinical trial data will be considered favorable.

The candidate will join a medical imaging research group with a regulatory focus. DIDSR laboratories are located in the White Oak campus in metropolitan DC with multiple opportunities for training within and outside the FDA laboratories. The position is for 1 year subject to renewal depending on funding and performance. Interested candidates should send an email to Aldo Badano (aldo.badano@fda.hhs.gov) with resume/CV and the name and contact information of three references. Please use the words "**DIDSR in silico position**" in the subject field.